1 aye 1 01 3 #2024

11/11/11 03:08 PM FST

STELfax

From: THYSSENKRUPP MATERIALS NA STAN IVERS Tel: 905 669 9444 Fax: 9057389033

To:

DART AEROSPACE Attn: 96294 Tel: 613-632-9577 Fax: 613-632-1053 Number of Pages: 3

Subject: Sales Acknowledgement

11Nov11 15:07 SALES ACKNOWLEDGMENT No: PEC ST-388975

Sold By: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ONTARIO L4K 5C6

leT: A02 008 8444 Fgx: A02\388033

Sold To: (20115) DART AEROSPACE 1270 ABERDEEN ST HAWKESBURY, ON K6A 1K7

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Trm NET 30 DAYS/NET 30 JOURS Ord 11Nov11 Due17Nov11 Frt PREPAID Via VIM TRANSFER FOB CONCORD Con 96294 PO/Rel 15445 Slp STAN IVERS (905-532-1350) Tel 613-632-9577 Fax 613-632-1053 SALES ACKNOWLEDGMENT SONO PECST-388975 Test Certs: Chem Y Phys Y 1 Original copies with Shipment, 1 with Invoice 1 STAINLESS STEEL SHEET 304-2B 10 PCS .0600 Nom X 48.0000" X 96.0000" 802 LBS MATERIAL 802 LBS @ 1.8300 LBS 1,467.66 2 ALUMINUM SQUARE BAR 6061-T6511 1 PCS 8 LBS .750" X 144.0000" MATERIAL 1 PCS @ 25.0000 EA 25.00 3 ALUMINUM FLAT BAR 6061-T6511 1 PCS 22 IBS .750" х 2.00" X 144.0000" MATERIAL 12 FT @ 3.8500 FT 4 ALUMINUM FLAT BAR 6061-T6511 4 PCS 9 LBS . 125" x . 750" X 240. 0000" MATERIAL 25.0000 LOT ------5 ALUMINUM ROUND BAR 6061-T6511 3 PCS 14 LBS .625" DIA X 144.0000" 36 FT MATERIAL 36 FT @ .9200 FT 33. 12 6 ALUMINUM ROUND BAR 6061-T6511 2 PCS 13 LBS .750" DIA X 144.0000" 24 FT MATERIAL 24 FT @ 1.1900 FT

SHIP WITH 388968/388969 SUR-CHARGE PAID

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR TO SHIPPING.

ATTN: CHANTAL/LINDA

- ** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
- ** REFERENCED ON IT **
- ** CUSTOMER PICK-UP HRS / 9:00 AM TO 4:00 PM **
- *** TEL. 800-926-2600 ***
- ***************
- * WE STOCK STAINLESS STEEL!!!!
- * PLEASE LET US QUOTE YOUR NEXT REQUIREMENT

Page: 1 Continued

raye 3 UT 3 #2624

11Nov11 15:07 SALES ACKNOWLEDGMENT No: PEC ST-388975 Sold By:

THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ONTARIO L4K 5C6 Tel: 905 669 9444 Fax: 9057389033

Sold To: (20115) DART AEROSPACE

Ship To: (1) DART AEROSPACE

SALES ACKNOWLEDGMENT SO No PEC ST-388975 Test Certs: Chem Y Phys Y 1 Original copies with Shipment, 1 with Invoice *************

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE ADDED TO EVERY ORDER. ***

Order Totals: 6 Items 868 LBS Material Processing Freight Taxes ORDER AMT 211.33 1,836.87 Other 1,625.54

Taxes: ONHSTS 211.33

Page: 2 Last

Certificate of Mill Test Results

BL PEC-739334-001

17Nov11 Pg 1/1

We centry that this is a true copy of the report huralshed by the producer of the metal, or data resulting from tests made in approved labs.

PO/Rel 15445

運鍋鋼鐵股份有限公司

檢驗諮問書

,		}	1112	เ' เ				一次点	奴骸码为恒	im	四個門	高雄市的金區中正四路 235 號 13F	函路 235 號 1	냁
	YUEN CHANG STAINLESS STEEL CO., LTD.	ANG ST.	AINLE	SS STEI	ел со.,	LTD.	INS	PECT	INSPECTION CERTIFICATE	TFICATE	13-F, 1	13-F, No. 235, Jungjeng, 4th Road	eng, 4th Road	
		4015	1010	-			温	中日期(1	列印日期(ISSUE DATE): 2011/08/08	2011/08/08	(iberu-	сманун син, қаолынар, тамал.	ычпд, Гагучал	
	%戶名輯 Customer	1150 Outs	Meyers	Noval ataintess Steel Inc. 1150 Meyerside Drive Mississauga, Ontario Canada, 1 ett 114	el Inc. 'e Missis T. 1 T4	sauga,								
西田	-	鍋棒編牌		and, 120	PC T									
Item	-	Coil No.	. s	·	加热 Heat No		画家	(100C.)	张;		凝品尺寸		*	净重(KG)
<u>-</u> <u>i</u>	KA	KA10331950E20	0530	<u> </u>	A2101089	2	אטני	age	Finish	Thicknes	Thickness x Width x Length	Length	Net	Net Weight
۲3		H0710	 	A	A2762-1030	92	200		28	110	11GA × 48" × 96"	5"	1	1,252
<u></u>	ŏ	QGP1320A-1	1		SC33727	1	20.5	1	H7	126	2GA x 48" x 56"			1,214
#	ŏ	QGP1320A-2	1-2	-	SC33777	7	000		415	991	16GA x 48" x 96"		-	1,250
2		H3590		12	1000 TOSO	2	504	1	2B	16G	16GA x 48" x 96"	Ea.	1	1,250
عا	KAIC	KA10367270N20	V20-1		A2101100	3 6	204		213	18G	8GA x 48" x 96"	F. 6	-	1,106
-	χΑ10	K A 10367770ND	TOU ?		6110124	<u></u>	304		NO.4	11G	1GA x 48" x 96"	2_		1.242
F	[- 	\$ 2	707 TO 10 10 10 10 10 10 10 10 10 10 10 10 10		A2101199	ا ا	304		NO.4	15	GA x 48" x 120"	3,	-	1216
ζ		'د <u>ِ</u>	¥ }	B	១	Chemical Composition	ompositio	ı	(%)		機械作簡		Mechanical Properties	
Item	- -												Teller I colore	(3)
	<u>ပ</u>	:S	Mn	2	v		;	;		抗松強度	路代強度	行两张	200	世長
 L)	5	Z	Z		T.S.	Y.S(0.2%)	Elong (%)	Hardness	Hardness
	0.050	0.410	1.200	200	0.00	18 400	201	330			Milating		HKI3	}
2	0.043	0.470	191:1	0.030	0.006	10. %!	30.00	0.000		637	314	65.0	86.0	
m		0.340	010.1	9000	0.007	100	0.00	760.0		616	256	56.5	82.3	,
4	_	├ -	1.010	9000	0.00	18 100	0.040	,		653	275	56.0	•	159.1
5	0.044 0	0.402	1.181	0.034	0.00	18 108	0.040	- 0		653	275	26.0	,	159.1
9	0.040	0.370	1.060	0 040	000	10 100	0.100	760.0		633	230	53.0	82.7	i ,
7	0.040 0 370	<u> </u>			200.0		000.0	0.030		089	336	55.5	86.5	,
茲證明,	茲證明本義所列產品,均依裁料	品·斯依	材料規格	大学の大学	0.002 m. m.	WOOT WOOT 18.100 8.000 14.0	- J - OOD - E - E	0.030		089	336	55.5	86.5	
We here	y certify the	And all li	Arche Har	The second	315		٨ ٢ ٢				PO No.:82413	13		
Satisfact	Satisfactory results in accordance-with the requirement of the characteristics of the continued and tested with	accordar	TCE-WITH	The requir	renent at	the show	ufactured	and tester	d with		Shipman Ship Con A 7.75	Va.:47.75		
では、	在松中的精彩的块。 机阿米色液工厂工	,並軍不	上灣的		. i		marci iai	pecuload			NEW PAR	S S S S S S S S S S S S S S S S S S S	DAINE ESC	1
The mate	The material described above is tree irradiation and free mercury,	sá-above i		adiation,	and free n	nercury,	:	:	!					
All the a	All the above products conform to	ts conform		reguireme	ints speci	the requirements specified in ASTM A240/A480	TM A24	0/A480	:	ÇÎ		I Million		. :
											とと	2	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	

: :

HIVSSENKRUPP MATTERIALS NA

DART AEROSPACE

ALUMPUM FLAT BAR 6061-76511 750" x 2.00" X 144.6000" PART NO

PO/Rel 15445

We cently that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results

BL PEC-739334-003

17Nov11

SERVICE CENTER METALS 5850 Quality Way

Prince George, VA 23875

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

OUR ORDER NUMBER

				135938	2
BKL 70	MANFEST NUMBER	DIE NUMBER	DATE OF SHIPMENT	CERTIFICATION	:::::::::::::::::::::::::::::::::::::::
ThyssenKrupp Materials NA	141340	RB0115	9/30/2011	ASTM Boot OB Shandlows	
SAMP TO	CUSTOMER PO	ALLOY/ TEMPER	SALESPERSON	TO THE PART OF THE PORT OF THE	snonulluo
ThyssenKrupp Materials NA PEC	PEC-233244		David Schroeder		
	CUSTOMER PART NUMBER		DESCRIPTION	AMS-CCA-200/8	
קטט פון ספטיין	CS RB0115	SCRB .750x2.000			

revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification SCM extrusions are manufactured in the USA from ingot melled and cast in the United States or Canada.

Items produced and certified as 6061-T6511 also meet the requirements of 6061-76

Mechanical Properties

lest No.	est No. Lot No.			Test Date	Ultimate Tensile Strength (KSI)	Yield Strength	Percent
-	201114759		:	 09/24/11	F2.3		
-		-			02.3	9.04 5.00	12.7

Elongation

Chemical Composition for Aluminum Alloy 6061

0.05 max 0.15 max Others Total Each 0.06 0.01 i=l Z 0.08 ଠା 0.91 δ 0.10 둘 0.34 링 0.35 입 0.76 ভ 6061 Alloy Cast Number 091115

なる。

Calvin J. Winnins. Director of Quality & Technical Services

Print Date: 9/30/2011

United States of America

Melted In

Doc No. 118878 Indexed 4Oct11 by slssup1

HIVSSENKRUPP MATTERIALS NA

ALUMINDM ROUND BAR 6061-T0511 625" DIA X 144.0000" PARTINO, DART AEROSPACE

PO/Rel 15445

We centify that this is a true copy of the report. furnished by the producer of the metal, or data esulting from tests made in approved labs.

BL PEC-739334-005

LVOVI Pg 1/1

Certificate of Mill Test Results 1 miles

SERVICE CENTER METALS

Prince George, VA 23875 5850 Quality Way

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

		HEW	
	130370	9	_
DATE OF SHIPMENT	CERTIFICATION	:	1 :
9/201	ASTM-B221-08 No Stencil	ਹ	
SALESPERSON	SPECIAL MOTOR SECTION	!	
Bavid Schroeder	AMS-COA-200/8		

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification leads produced and certified as 6061-76511 also revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the meet the requirements of 6061-76 description, and that samples representative of the material met the composition limits and had the mechanical properties shown. SCM extrusions are manufactured in the USA from ingot melted and cast in the United States or Canada. We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification

ROD .625 +/-,005

RD0002

3950cs

1,712 lbs

Quantity Certified

ThyssenKrupp Materials NA VIM

ThyssenKrupp Materials NA

B/LL TO

6061-T6511 RD0002 LLOY/TEMPER DESCRIPTION

> VIM-610896 CUSTOMER PART NUMBER

CUSTOMER PO

134675

MANIFEST NUMBER

DIE NUMBER

Mechanical Properties

Percent Elongation	19.4			!	19.2	19.5	17.5	18.1	18.8	:
Yield Strength (KSI)	47.1	46.3	46.8	44.2	45.8	45.4	49.0	47.2	47.1	46.6
Ultimate Tensile Strength (KSI)	50.0	49.4	49.8	47.5	48.9	48.6	51.8	50.0	50.1	49.4
Test Date	06/28/11	06/28/11	06/28/11	06/28/11	06/28/11	06/28/11	06/28/11	06/28/11	06/28/11	06/28/11
A N. S. W.		P C C			i			!		
Test No. Lot No.		201110397	201110397	201110397	201110397	201110397	201110397	201110397	201110397	201110397
Test No.	: •	. 2	m [†]	4	QJ	ဖ	_	Φ	'တ	10

	ı
	ı
9	ı
0	ı
7	1
w	
-	3
심양	ı
0	ı
	ı
_	ı
æ	ı
-	1
_	ı
-	ı
=	ł
3	ı
~	ı
ı for Aluminum	Į
=	1
_	ı
	ı
3	ı
=	ı
_	1
ч.	ı
•	1
=	ı
0	ı
ű.	ı
_	1
=	ı
=	ı
U	ı
≔	ŧ
=	ı
26	1
~	ı
0	ı
\sim	1
₫	Ì
슽	I
Ę	
Ĕ	
d E	
Comp	
Ē	
Comp	
al Comp	
al Comp	
ical Comp	
ical Comp	
nical Comp	
mical Comp	
emical Comp	
nemical Comp	
hemical Comp	
Chemical Comp	
Chemical Comp	

Cast Number	Alloy	ळा	굄	리	Ш	Mg	占	Zu	I	Meited In
061213	6061	0.71	0.39	0.31	0.10	0.87	0.08	0.04	0.02	United States of America

Calvin J. Wiggins, Director of Quality & Technical Services

Print Date: 6/29/2011

Doc No. 113675 Indexed 5Juli1 by vslssup2

HEIVSSENIKRUPP MATIERIALS NA

ALUMDYUM SOUTARE BAR 6061:16311 750", X 144.0000" PART NO. DART AEROSPACE

PO/Rel 15445

We centify that this is a true copy of the report furnished by the producer of the metal, or data esulting from tests made in approved labs.

/ Markey

BL PEC 739334-002

17Nov11 Pg 1/2

Certificate of Mill Test Results

Signed by:

SERVICE CENTER METALS

Prince George, VA 23875 5850 Quality Way

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

4	CERTWICATION	ASTM-8221-08 Standing	Shoullhooms
	DATE OF SHIPMENT	//15/2011	SALESPERSON
		950039	ALCOY / JEMPER
:	135602	CUSTOMER PO	050,000
		DE NUMBER DATE OF SHIPMENT GERTIFICATION	102 реминявя рате об Зинивыт сентичсатом 3Q0039 7/15/2011 ASTM-B221-08 Stand

Items produced and certified as 6061-T6511 also mest the requirements of 6061-76 revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical proparties shown. **We hereby certify** that the material covered by this report has been inspected in accordance with the most recent certification

AMS-QQA-200/8

David Schroeder

6061-T6511

PEC-231378

ThyssenKrupp Materials NA PEC

ThyssenKrupp Materials NA

BILL 70

CUSTOMER PART HUMBER

160pcs

1,269 lbs

Quantity Certified

SQ0039

SCSB.750 DESCRIPTION

SCM extrusions are manufactured in the USA from ingot melted and cast in the United States or Canada. Mechanical Properties

Test No. Lot No.

		Strength (Ken)	Yield Strength
10000	: 1		(Iev)
201110805	07/14/11	55.0	8.75
201110805	07/14/11	55.3	52.4
201110805	07/14/11	54.2	
201110805	07/14/11	54.6	54.2
201110805	07/14/11	56.4	53.5
201110805	07/14/11	54.2	# 05 05
201110805	07/14/11	55.5	
201110805	07/14/11	55.5	
201110805	07/14/11	54.9	6.20
201110805	07/14/11	55.3	
	07/14/11	53.2	7

Rev. 9/06/07 - UMS

Print Date: 7/15/2011

Doc No. 114788 Indexed 21Jul11 by slssup1

ALUMINUM SOUARE BAR 6061 76511 750" X 144,0000" BAR 6061 76511 PART NO.

17Nov11 Pg 2/2

BL PEC-739334-002

Signed by:

We cently that this is a true copy of the report furnished by the producer of the metal, or data PO/Rel 15445

esulting from tests made in approved labs.

DK 170

SERVICE CENTER METALS

5850 Quality Way Prince George, VA 23875

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

OUR ORDER NUMBER

Chemical Composition for Aluminum Alloy 6061

	ර්	0.09
	Mg	0.86
	M	0.10
and some	리	0.34
	el el	0.39
	િં	0.76 0.73
		1
Affor	6061	6061
Number	13	
Casi	320315	

V. 9/06/07 - UMS

Print Day

Doc No. 114788 Indexed 21Jul11 by slssup1

Calvin J. Widdins. Director of Quality & Technical Services

United States of America

0.04 0.02 0.06 0.02

THYSSENKRUPP MATERIALS NA

DART AEROSPACE ALUMNUM FLÄT BAR 6061-T6511 125" x. 750" X 240:0000" PART NO. PO/Rel 15445

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs. Certificate of Mill Test Results

BL PEC-739334-00

17Nov11 Pg 1/1

CAN ART ALUMINUM EXTRUSION INC.

Material Test Report

Manifest: 233573

Ticket: 5206899

Ship To: ThyssenKrupp Materials NA

2821 Langstaff Road

Concord, ON L4K 5C6

<u>Cu</u>

0.15

0.40

Our Order: 378915 - 3

Die: ES05485

Fe

0.7

Cust P.O.: 232133

P.O.: 232133 Part: 05485-000-240

Alloy Temper: 6061 T6511

Description: .125 x .750

Print Date: 8/12/11

Sì

0.40

0.8

6061

Min

Max

Ch	emical	Сотро	sition Ra	nge			****
<u>Mn</u>	Mg	<u>Cr</u>	<u>Zn</u>	<u>Ti</u>	Other Each	OtherTotal	
	0.8	0.04					
0.15	1.2	0.35	0.25	0.15	0.05	0.15	

Mechanical Properties Strength ksi Sample Cast # Lot# Test <u>Ultimate</u> Yield Elongation ID Date **Tensile** 2% offset 2" gage length 126396 11050023A All 8/11/11 43.62 41.32 10.1

Applicable Specifications ASTMB221-08 QQA200/8

Country of Origin: 85 Parkshore Drive, Brampton, Ontario CANADA L6T 5M1

Can Art Aluminum Extrusion Inc. certifies that materials shipped under this order have been inspected and tested in accordance with Aluminum Association and agreed upon customer specifications. Can Art assumes no liability for additional costs which may be incurred during the customer's manufacture and sale of its products, and is subject only to the replacement of any materials not within agreed upon specifications provided written notification is received by Can Art within 30 days from the date of shipment.

Ray Hussain - Tensile Testing

Authorized:

Evan Eng, Quality Assurance Mgr.

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM ROTIND BAR 6061 T6S11 750" DIA X 144.0000" PART NO. PO/Rel 1544

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs. Certificate of Mill Test Results

BL PEC-739334-006

17Nov11 Pg 1/3

Signed by: 1000



CERTIFIED TEST REPORT http://Certs.KaiserAluminum.com

KAISER ALUMINUM FABRICATED PRODUCTS, LLC 5205 KAISER DRIVE KALAMAZOO. MI 49048

DEC 122224 0			R PART NUMBER:	PRODUCT DESCRIPTION:						
KAISER ORDER NUMBER: LINE ITEM:		015238-9		KAISERSELECT PRECISION ROD .750 +/- 004						
601377	006		SHIP DATE:	MASER LOT NUMBER:	ALLOY:	TEMPER:				
WEIGHT SHIPPED:	QUANTITY:		09/09/2011 B/L NUMBER:	P0.750030 DIAM/DAF/THKNS:	6061	T6511B				
1515.000 LB	243.000 P	cs	601380	DEVELOPITANS:	WIDTH:					
7 III 10.	_			SOLD TO: 12.000 FT						
THYSSENKRUP 1821 LANGSTAF CONCORD, ON L	FROAD			THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA						

CERTIFICATION

Kaiser Aluminum Fabricated Froducts, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Alex Yeh, Quality & Technology Manager

Page 1 of 3

Plant Scrial: 00006697

Kaiser Order Number: 601377

Line Item: 006

<u>YSSENKRUPP MATERIALS NA</u>

ALUMINUM ROUND BAR 6061 TES11 750" DIA X 144,0000" PART NO.

We centify that this is a true copy of the report furnished by the producer of the metal, or data tesulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-739334-006

Pg 2/3





CERTIFIED TEST REPORT http://Certs.KaiserAluminum.com

Signed by:

KAISER ALUMINUM FABRICATED PRODUCTS, LLC 5205 KAISER DRIVE KALAMAZOO, MI 49048

Actual Physical Properties

					, lobeliles				
REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG*		7377		
XTR000901	0001	0001	47.0			HAR	DNESS	CONDUCT.	BEND
XTROCC901	0001	C002	46.6	42.8	19.2	RE	95	N/A	N/A
XTR000901	0001	0003	45.6	42.4	17.4	RE	94	N/A	N/A
XTR000901	0001	0004	51.0	40.3	20.1	RE	93	N/A	N/A
XTR000901	0001	0005	48.0	47.6	17.2	RE	98	N/A	N/A
XTR000901	C001	0006	49.C	43.1	18.2	RE	95	N/A	N/A
XTR000901	0001	0007	48.1	43.2	16.0	RE	98	N/A	N/A
XTR000901	0001	0008	49.6	44.0	18.1	RE	98	N/A	N/A
XTR0009C1	0001	0000	19.6	44.9	19.9	RE	98	N/A	N/A
XTR000901	0001	0010	49.9	46.1	20.6	RΞ	98	N/A	N/A
XTR000901	0001	0011	46.7	46.8	17.5	RZ	98	N/A	N/A
XTR000901	0001	0012	48.1	42.0	17.6	RE	95	N/A	N/A
XTR000901	0001	0013	47.5	44.4	18.1	RE	92	N/A	N/A
XTROCO901	0001	0014	51.2	42.2	18.2	RE	92	N/A	N/A
XTR000901	0001	0015	46.1	47.2	15,7	RE	94	N/A	N/A
XTR000901	0001	0016	48.0	41.5	20.5	RE	91	N/A	N/A
XTR000901	0001	0017	48.5	43.5	20.1	RE	93	N/A	N/A
XTR000901	0001	0018	48.9	43.1	17.0	RE	92	N/A	N/A
XTR000901	0001	0019	47.0	43.9	19.2	RE	92	N/A	N/A
XTR000901	0001	0020	47.7	41.7	17.9	RE	92	N/A	N/A
XTR0009C1	0001	0021	48.1	42.6	17.6	RE	92	N/A	N/A
XTR000901	0001	0022	45.7	43.3	17.7	RЕ	93	N/A	N/A
XTR000901	0001	0023	50.4	41.4	18.2	RE	91	N/A	N/A
XTR000901	JCC1	0024	48.4	46.1	18.0	RE	94	N/A	N/A
XTR000901	0001	0025	47.2	44.5	15.6	RE	92	N/A	N/A N/A
			31.2	41.7	18.9	RE	90	N/A	N/A
					41/23				

Chemical Composition (wt%), Aluminum Remainder

LIMITS						•	() A surraidant Kentalilder							
	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti						
Maximum Minimum	0.80	0.70	0.40	0.15	1 00				Pb	Bi	Zr	Ea	Tot	
Minimum A31756 A31751		0.00 .29 .28	0.15 .26 .32	0.00	0.80 .93 .92	0.04	0.25 0.00 .02 .05	0.15 0.00 .02 .02	NA NA .00 .00	NA NA .00			0.15 0.00 .01 .01	

CERTIFICATION

Raiser Aluminum Fabricated Products, LLC Raiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Alex Yeh, Quality & Technology Manager

Page 2 of 3

Plant Serial: 00006697

Kaiser Order Number: 601377

Line Item: 006

YSSENKRUPP MATERIALS NA

ALUMINUM ROJIND BAR 6061-T6511 750" DIA X 144.0000" PART NO.

We centify that this is a true copy of the report furnished by the producer of the metal, or data tesulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-739334-006

17Nov11

Signed by:

Pg 3/3



CERTIFIED TEST REPORT http://Certs.KaiserAluminum.com

KAISER ALUMINUM FABRICATED PRODUCTS, LLC 5205 KAISER DRIVE KALAMAZOO, MI 49048

Applicable Requirements:

PER ASTM-B221-08, STENCILED ASME-SB221 1998 SECT II PER AMS-QQ-A-200/8 UNS#6061 MEETS ALL SPECIFICATION REQUIREMENTS FOR 6061-T6511/T6 ELEVATED MINIMUM MECHANICAL PROPERTIES AS FOLLOWS: UTS = 42.0 KSI MIN YIELD = 38.0 KSI MIN ELONGATION = 10.0% MIN

Miscellaneous Notes

MANUFACTURED IN USA (COMMERCE, CA) MELTED IN USA

CERTIFICATION .

Raiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on the sales are considered to conformation. Kaiser's general terms and conditions of sale. That reports are on file, subject to examination.

Alex Yeh, Quality & Technology Manager

Page 3 of 3

Plant Serial: 00006697

Kaiser Order Number: 601377

Line Item: 006